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# Space Science Division Cumulative Bibliography 1989-1994

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D. Morrison

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May 1995



National Aeronautics and  
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# Space Science Division Cumulative Bibliography 1989–1994

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D. Morrison, Ames Research Center, Moffett Field, California

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National Aeronautics and  
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**Ames Research Center**  
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# Space Science Division Cumulative Bibliography 1989–1994

D. MORRISON

*Ames Research Center*

## Summary

The Space Science Division at NASA's Ames Research Center is dedicated to research in astrophysics, exobiology, and planetary science. These research programs are structured around the study of origins and evolution of stars, planets, planetary atmospheres, and life, and address some of the most fundamental questions pursued by science, questions that examine the origin of life and of our place in the universe.

This bibliography is the accumulation of peer-reviewed publications authored by Division scientists for the years 1989 through 1994. The list includes 777 papers published in over 5 dozen scientific journals representing the high productivity and interdisciplinary nature of the Space Science Division.

Major elements of the Space Science Division's programs include the study of the interstellar gas and dust that form the raw material for stars, planets, and life; the processes of star and planet formation; the search for planetary systems around other stars; the evolution of planets and their atmospheres; the structure, dynamics, and chemistry of planetary atmospheres; the origin of the biogenic elements and molecules and their distribution in space; the origin of life and its early evolution on the Earth; and the search for past or present life throughout the solar system.

Space Science Division personnel participate in a variety of major NASA missions, including research flights of the Kuiper Airborne Observatory (KAO) and operations of the Pioneer and Galileo Probe planetary missions; both of these projects are operated and managed by Ames Research Center. Division scientists are also investigators, team members, or interdisciplinary scientists on the Galileo Jupiter Orbiter, Cassini mission to Saturn, Mars Surveyor, and Ulysses space missions; Division scientists are also involved in the development of the Stratospheric Observatory for Infrared Astronomy (SOFIA). Finally, we participate actively in a variety of working groups and advisory committees for NASA and the National Research Council as well as numerous professional organizations.

For further information on the Division and its research activities we can be reached by telephone

at 415-604-5029; there is also a Space Science Division home page which can be accessed through the world wide web at <http://www-space.arc.nasa.gov/division/>

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Allamandola, L.J. and A.G.G.M. Tielens, eds., *Interstellar Dust: Contributed Papers*, NASA Ames Research Center, NASA CP-3036 (1989).

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